

## OBR Budget forecast: Fan charts

### Parameters for Chart C1: GDP growth fan chart in the June 2010 Budget

	BUDGET								
	10%	20%	30%	40%	50%	60%	70%	80%	90%
2010	0.0	0.4	0.7	0.9	1.2	1.4	1.7	2.1	2.5
2011	-0.4	0.6	1.2	1.8	2.3	2.8	3.3	3.9	4.7
2012	-0.2	0.9	1.7	2.3	2.8	3.4	3.9	4.4	5.2
2013	-0.1	1.0	1.8	2.4	2.9	3.5	4.0	4.5	5.3
2014	-0.8	0.5	1.3	2.1	2.7	3.3	3.9	4.6	5.5
2015	-1.3	0.2	1.1	2.0	2.7	3.4	4.1	4.9	6.0

### Parameters for Chart C4: PSNB Fan chart in Chapter C the Budget

	BUDGET								
	10%	20%	30%	40%	50%	60%	70%	80%	90%
2010/11	8.3	8.9	9.4	9.8	10.1	10.5	10.8	11.3	11.9
2011/12	4.0	5.2	6.1	6.8	7.5	8.2	8.9	9.8	11.0
2012/13	1.6	2.9	3.9	4.7	5.5	6.3	7.1	8.1	9.4
2013/14	-0.6	0.8	1.8	2.7	3.5	4.3	5.2	6.2	7.6
2014/15	-2.1	-0.7	0.4	1.3	2.1	2.9	3.8	4.9	6.3
2015/16	-3.7	-2.1	-0.9	0.1	1.1	2.1	3.1	4.3	5.9

### Parameters for chart C6: Cyclically adjusted current Budget fan chart in the Budget:<sup>1</sup>

	BUDGET								
	10%	20%	30%	40%	50%	60%	70%	80%	90%
2010/11	-6.3	-5.8	-5.4	-5.1	-4.8	-4.5	-4.2	-3.8	-3.3
2011/12	-5.5	-4.7	-4.1	-3.7	-3.2	-2.7	-2.3	-1.7	-0.9
2012/13	-4.2	-3.4	-2.8	-2.4	-1.9	-1.4	-0.9	-0.4	0.4
2013/14	-3.4	-2.5	-1.8	-1.2	-0.7	-0.1	0.5	1.2	2.1
2014/15	-2.8	-1.8	-1.0	-0.3	0.3	1.0	1.6	2.4	3.5
2015/16	-2.8	-1.6	-0.7	0.1	0.8	1.5	2.3	3.2	4.4

<sup>1</sup> The percentage bands represent the chance of the outcome being below an outcome in a given year of the forecast. The methodology for producing the fan charts is set out in Annex A of the *Pre-Budget forecast* document, published on 14<sup>th</sup> June 2010. N.B. that the mandate is for the cyclically-adjusted current surplus to be in balance or better. To calculate an illustrative probability of achieving this mandate from the table you need to calculate 100-(percentage). This gives the probability of the cyclically-adjusted current surplus being better than that outcome in a given year, based on the OBR's median forecast and the probability distribution implied by past errors.